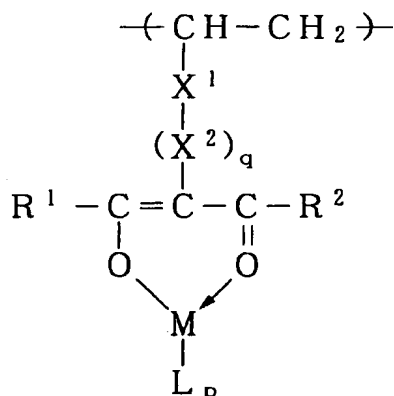


Abstract

Disclosed herein are, a phosphorescent agent which can form a thin film by a wet method and provide an organic electroluminescence device having high luminance and production process thereof, and a luminescent composition containing the phosphorescent agent, an organic electroluminescence device having a luminescent layer containing the phosphorescent agent and production process thereof.

A phosphorescent agent according to the present invention comprising a polymer having in its molecule a structural unit represented by the following general formula (1).

General formula (1)



[In the general formula (1), M represents a metal atom having a valence of 2 to 4, each of R¹ and R² represents a hydrogen atom, a halogen atom, a cycloalkyl group, an aryl group and a

heterocycle group and R^1 and R^2 may be either the same or different, X^1 represents a phenylene group or a carbonyloxy group, X^2 represents an alkylene group, L represents an organic ligand, p is an integer of 1 to 3, and q is 0 or 1.]